

List of STAR 1999 Selected Test Questions

CLICK ON LISTING TO VIEW MORE INFORMATION ON THAT ITEM

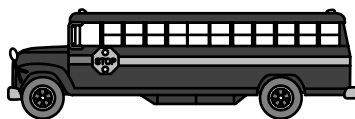
- 1** **GRADE 3**
 - Reading
 - Writing
 - Mathematics
-

- 2** **GRADE 5**
 - Reading
 - Writing
 - Mathematics
-

- 3** **GRADE 8**
 - Reading
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-

- 4** **GRADE 10**
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-

- 5** **GRADE 8 AND HIGH SCHOOL MATHEMATICS**
 - Algebra I
 - Geometry
 - Algebra II
 - Statistics and Probability



No Way

1 My uncle said he'd pick me up
2 in the school's front parking lot.
3 At three o'clock, I am here
4 but Uncle Jim is not.

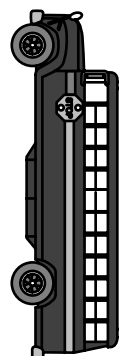
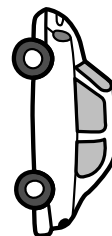
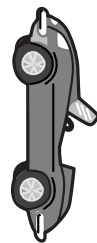
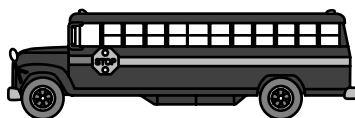
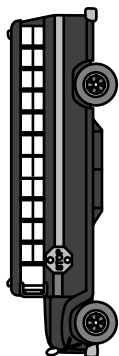
5 Kids and mothers laugh and hug.
6 Only the teachers stay.
7 Like yellow cows, the buses moo
8 then slowly drive away.

9 I can't see his baseball cap
10 or hear him whistling off-key.
11 Everyone is leaving now —
12 everyone but me.

13 I'm sure he has forgotten.
14 I feel scared and all alone.
15 I fear that I will start to cry.
16 I just want to go home.

17 And then I see him running!
18 I am back in luck.
19 "I'm sorry that I'm late," he says.
20 "I got stuck behind a truck."

21 "You weren't worried, were you, Sport?
22 You knew I'd come today."
23 He pokes me in my ribs and laughs.
24 I smile and say, "No way."

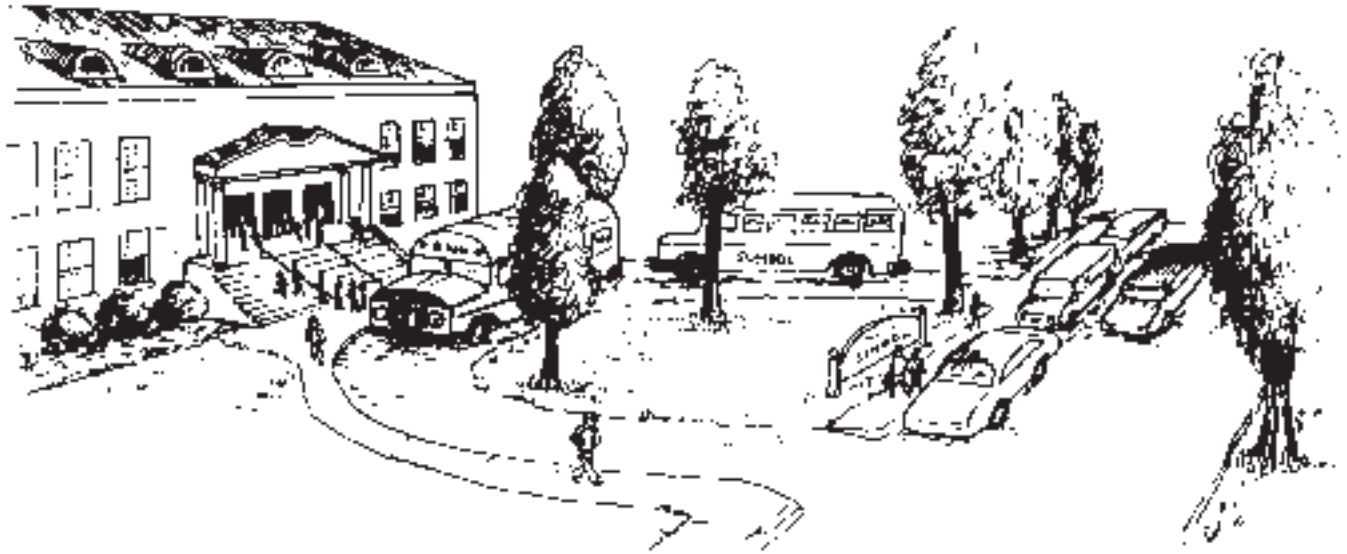


Grade 3
Language Arts
Reading
Literary Response and Analysis

Standard 3.6: Narrative Analysis of Grade-Level-Appropriate Text: students identify the speaker or narrator in a selection.

Who is the speaker in this passage?

- Ⓐ A teacher
- Ⓑ An uncle
- Ⓒ A parent
- Ⓓ A child ★



Grade 3
Language Arts
Writing
Written English Language Conventions

Standard 1.7: Capitalization: students capitalize geographic names, holidays, historical periods, and special events.

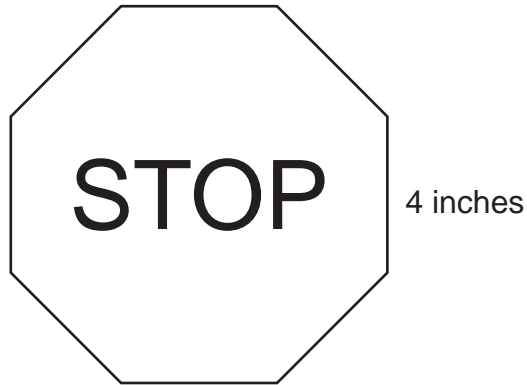
What is the correct way to write this sentence?

- Ⓕ We'll be in oregon on Thanksgiving Day.
- Ⓖ We'll be in Oregon on Thanksgiving Day.★
- Ⓗ We'll be in oregon on thanksgiving day.
- Ⓙ We'll be in Oregon on thanksgiving day.

Grade 3
Mathematics
Measurement and Geometry

Standard 1.3: Students find the perimeter of a polygon with integer sides.

**Each side of this stop sign is 4 inches long.
What is the perimeter of the stop sign?**



- | | |
|-------------|---------------|
| Ⓐ 16 inches | Ⓒ 28 inches |
| Ⓑ 24 inches | Ⓓ 32 inches ★ |

Grade 5
Language Arts
Reading
Word Analysis and Vocabulary Development

Standard 1.2: Vocabulary and Concept Development: students use word origins to determine the meaning of unknown words.

Read this sentence.

The swimmers splattered water onto the bank of the swimming hole.

Splattered is a word that consists of two words blended together. Which two words were blended to make the word splattered?

- F** slipped and shattered
- G** splashed and spattered ★
- H** slapped and clattered
- J** slopped and pattered

Grade 5, Language Arts, Writing
The question on the next page refers to this passage.

Read the first draft of Marcus's essay. Then use it to answer the next question.

What I Most Like to Do

- 1 When I was six years old, my father took me on my first hike. We were on a summer vacation in the Rocky Mountain National Forest in Colorado. We took a hike to a beautiful mountain lake called Chasm Lake. The trail was rugged, and it took us two hours to reach the lake. Then my father gave me a peanut butter sandwich and a drink of cool water. I think it was the best meal I've ever eaten. We certainly had the best view during any meal I've ever eaten.
- 2 Since then, I've hiked many times. Most of my hikes are close to home. For example, I often hike on the trail that runs next to the river in town. I also enjoy hiking in Wolf Creek State Park. The park has trails that vary in length from two miles to ten miles. The ten-mile hike is my favorite. After following Harrison Ridge for about three miles, the trail wanders through a pine forest. I always see something new each time I go on the hike. I've seen several kinds of animals, including rabbits and chipmunks, and once I even saw a porcupine.
- 3 It's not just walking that I like. I also love to breathe the fresh air and watch the changes that come with each season. Sometimes I'll stop along a trail just to take a drink of water and sit on a rock. If I'm quiet and still, I always see something that teaches me about nature.

Grade 5
Language Arts
Writing
Writing Strategies

Standard 1.1.2: Organization and Focus: students create a multiple-paragraph narrative composition that describes the setting.

Which words does Marcus use to describe the setting in Paragraph 1 of his essay?

- F** father, I, and we
- G** took, gave, and think
- H** summer, Colorado, and lake Ⓢ
- J** sandwich, water, and meal



Grade 5
Mathematics
Algebra and Functions

Standard 1.2: Students use a letter to represent an unknown number; write and evaluate simple algebraic expressions in one variable by substitution.

If $c = 3$, what is the value of $8.5 + c$?

F 8.53

H 11.5 Ⓢ

G 8.8

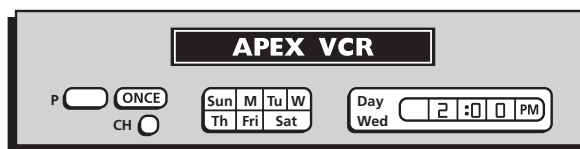
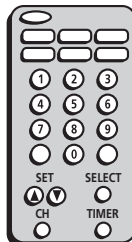
J 25.5

Programming the Timer on Your VCR

You can program the timer on your Apex VCR to record up to eight different programs. You can also program it to record the same program every day.

Before you program the timer:

1. Locate the following on the remote.
 - The “select” button
 - The two “set” buttons
 - The “timer” button
2. Turn on the VCR and locate the following.
 - The clock. Make sure the day and time are set correctly.
 - The Timer panel
3. Check to make sure a cassette has been inserted.



Programming Procedure:

1. Press the “select” button on the remote. P, for program, will flash on the Timer panel. Use the numbers on your remote to identify the number of the program you wish to set to record. Check to make sure that the correct number appears under the P. (If this is the first program you are setting, press the number “1.”)
2. Press the “select” button on the remote again. “Once” will flash on the Timer panel. If you want to set the timer to record only once, do nothing. If you want it to record at the same time daily, press the set UP ▲ button once. If you want it to record at the same time each week, press the set UP „ button twice.
3. Press the “select” button on the remote again. The current day will flash on the Timer panel. Use the set UP ▲ and DOWN ▼ buttons to identify the day on which you would like to begin recording. (If today is Wednesday and you would like the timed recording to begin on Thursday, press the set UP ▲ button once.)
4. Press the “select” button on the remote again. The time on the clock will flash INTERMITTENTLY, showing the current time. Press the set UP ▲ or DOWN ▼ button repeatedly to get to the time you would like the recording to begin. The display will change in half-hour intervals. Make sure the A.M. or P.M. is correct. (If it is now 2:00 P.M. and you would like the recording to begin at 3:30 P.M., you would press the set UP ▲ button three times.)
5. Press the “select” button on the remote again. Instead of the current time, 00:00 will flash. Press the set UP ▲ button. Each time you press it, the clock will register 30 minutes, up to 8 hours. (If you want to record for 2 hours, press the set UP ▲ button four times.)
6. Press the “select” button on the remote again. The “ch” will flash on the Timer panel. Use the number buttons on your remote to identify the channel for the program you wish to record. (If you want to record channel 45, press “4” and then “5.”)
7. Turn off the VCR and immediately press the “timer” button on the remote. Your program is now timed to record! The “timer” button will light up and stay lit as long as a program remains to be recorded. Repeat these steps to record additional programs.
8. To readjust any information in your programming, repeat the above procedure. Keep pressing the “select” button until you see the information you wish to change. You don’t need to re-enter anything that is correct.

Grade 8
Language Arts
Reading
Reading Comprehension (Focus on Informational Materials)

Standard 2.5: Comprehension and Analysis of Grade-Level-Appropriate Text: students understand and explain the use of a complex mechanical device by following technical directions.

The “select” button is used to —

- F** move from one programming option to the next ⬇
- G** choose the channel
- H** choose the show you want to record
- J** tell the VCR to accept your choices

Grade 8
Language Arts
Writing
Written English Language Conventions

Standard 1.2: Sentence Structure: students identify and use parallel structures in all written discourse, including similar grammatical forms to present items in a series, complements, and items juxtaposed for emphasis.

Read this sentence.

The zookeepers took care of the chicks and had fed them with puppets that looked like birds.

How is this sentence *best* written?

- A** The zookeepers took care of the chicks and feeding them with puppets that looked like birds.
- B** The zookeepers took care of the chicks and feed them with puppets that looked like birds.
- C** The zookeepers took care of the chicks and fed them with puppets that looked like birds. Ⓢ
- D** *The sentence is best written as it is.*

Grade 10

Language Arts

Reading

Word Analysis and Vocabulary Development

Standard 1.2: Vocabulary and Concept Development: students distinguish between the denotative and connotative meanings of words, and interpret the connotative power of words.

In which sentence does the underlined word have the most *negative* connotation?

- F** Sasha feels compassion for her friend.
- G** Sasha feels pity for her friend. ★
- H** Sasha feels sympathy for her friend.
- J** Sasha feels empathy for her friend.

Here are the first three paragraphs and the Works Cited section from Daniel's rough draft. Use them to answer the question that follows.

Christiaan Barnard: Surgeon with a Heart

On December 3, 1967, Dr. Christiaan Barnard made history in Cape Town, South Africa, when he transplanted the first human heart. The heart was removed from the female victim of a car accident and placed into a 55-year-old man. Dr. Barnard never expected to become famous (Selkirk 34). After all, other surgeons had already transplanted livers and kidneys, and the heart was just another organ. However, humans have long considered the heart to be special, the center of love and individuality. When Dr. Barnard moved a heart from one person to another, his name became known throughout the world.

Christiaan Barnard was born in Beaufort West, South Africa, in 1922. His family had little money, so he had to work his way through medical school. He was always fascinated with the human heart. The young medical student would handle a three-dimensional model of a heart, examining it inside and out, fascinated with how it worked to keep the human body alive and functioning (Selkirk 35).

After earning his medical degree at the University of Cape Town, South Africa in 1953, Dr. Barnard went to the United States to attain a Ph.D. at the University of Minnesota. It was there that he elected to specialize in heart surgery. He found this work rewarding but was saddened by the fact that, even though heart valves could be surgically replaced, many heart conditions could not be fixed with surgery (Haversham 112).

Works Cited

- Barnard, Christiaan and Peter Evans. *Your Healthy Heart: The Family Guide to Staying Healthy and Living Longer*. New York: McGraw-Hill, 1995.
- Haversham, Donald. *Repairing the Human Heart*. London: Friedkin and Marshall, Inc., 1986.
- Lombardo, Gina. *Transplants: Gifts of Life*. Los Angeles: Graham, 1997.
- Selkirk, Jonathan. "Profile, Dr. Christiaan Barnard." *Medical Trends* 14 November, 1997.
- Timmons, R. D., ed. *Great Medical Minds*. New York: Daimler, 1995.

Grade 10
Language Arts
Writing
Writing Strategies

Standard 1.7: Research and Technology: students use appropriate conventions in text, notes, and bibliographies, adhering to style manuals (e.g., the *Modern Language Association Handbook* or *The Chicago Manual of Style*).

Based on information in the Works Cited section, which author wrote an article for a medical magazine?

- A** Peter Evans
- B** Donald Haversham
- C** Jonathan Selkirk ★
- D** Gina Lombardo

**Grade 8/High School
Mathematics
Algebra I**

Standard 4: Students simplify expressions prior to solving linear equations and inequalities in one variable such as $3(2x - 5) + 4(x - 2) = 12$.

**Which equation is equivalent to
 $3(x - 7) - 2(x - 1) = 8$?**

A $x - 23 = 8$

B $x - 19 = 8$ Ⓢ

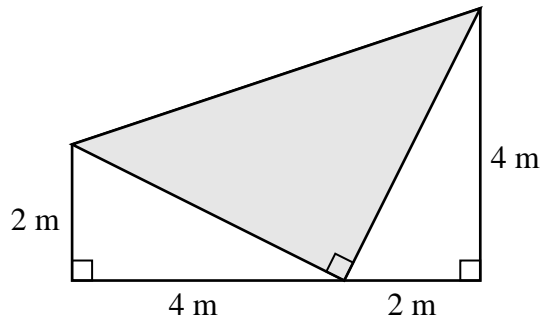
C $x - 8 = 8$

D $x - 6 = 8$

High School Mathematics Geometry

Standard 10: Students compute areas of polygons including rectangles, scalene triangles, equilateral triangles, rhombi, parallelograms, and trapezoids.

A trapezoidal section of a park is divided into 3 right triangles with measurements as shown in the drawing.



What is the area of the shaded triangle?

- A 8.94 m^2
- B 9 m^2
- C 10 m^2 ⊗
- D 20 m^2

High School Mathematics Algebra II

Standard 8: Students solve and graph quadratic equations by factoring, completing the square, or using the quadratic formula. Students apply these techniques in solving word problems. They also solve quadratic equations in the complex number system.

What are the solutions to the equation

$$3x^2 + 2x + 1 = 0?$$

F $x = -1; x = \frac{1}{3}$

G $x = -\frac{1}{3} + \frac{\sqrt{2}}{3}; x = -\frac{1}{3} - \frac{\sqrt{2}}{3}$

H $x = -\frac{1}{3} + \frac{2}{3}i; x = -\frac{1}{3} - \frac{2}{3}i$

J $x = -\frac{1}{3} + \frac{\sqrt{2}}{3}i; x = -\frac{1}{3} - \frac{\sqrt{2}}{3}i$ Ⓢ

High School Mathematics Statistics and Probability

Standard 18: Students use fundamental counting principles to compute combinations and permutations.

There are 12 candidates in a city election. The winner will be the mayor, and the runner-up will be the vice-mayor. How many different combinations of mayor and vice-mayor are possible?

- A** 22
- B** 24
- C** 132 Ⓢ
- D** 144